

ABSTRACT

An apparatus and method for safely attaching a conduit to the heart, such as a conduit for connection to an implantable blood pump, or to a blood vessel, as in a heart bypass graft, without the need for a cardiopulmonary bypass. The apparatus can include an enclosure attachable to the heart and having sealed within the enclosure at least part of a coring tool and one end of the conduit which will be attached to the heart. A heart attachment member can be affixed to the enclosure for facilitating attachment of the apparatus to the heart and the coring tool can have a cutting member and a member for holding the tissue to be cut from the heart. All air can be evacuated from the enclosure prior to cutting tissue from the heart and attachment of the conduit.

FOOTNOTES